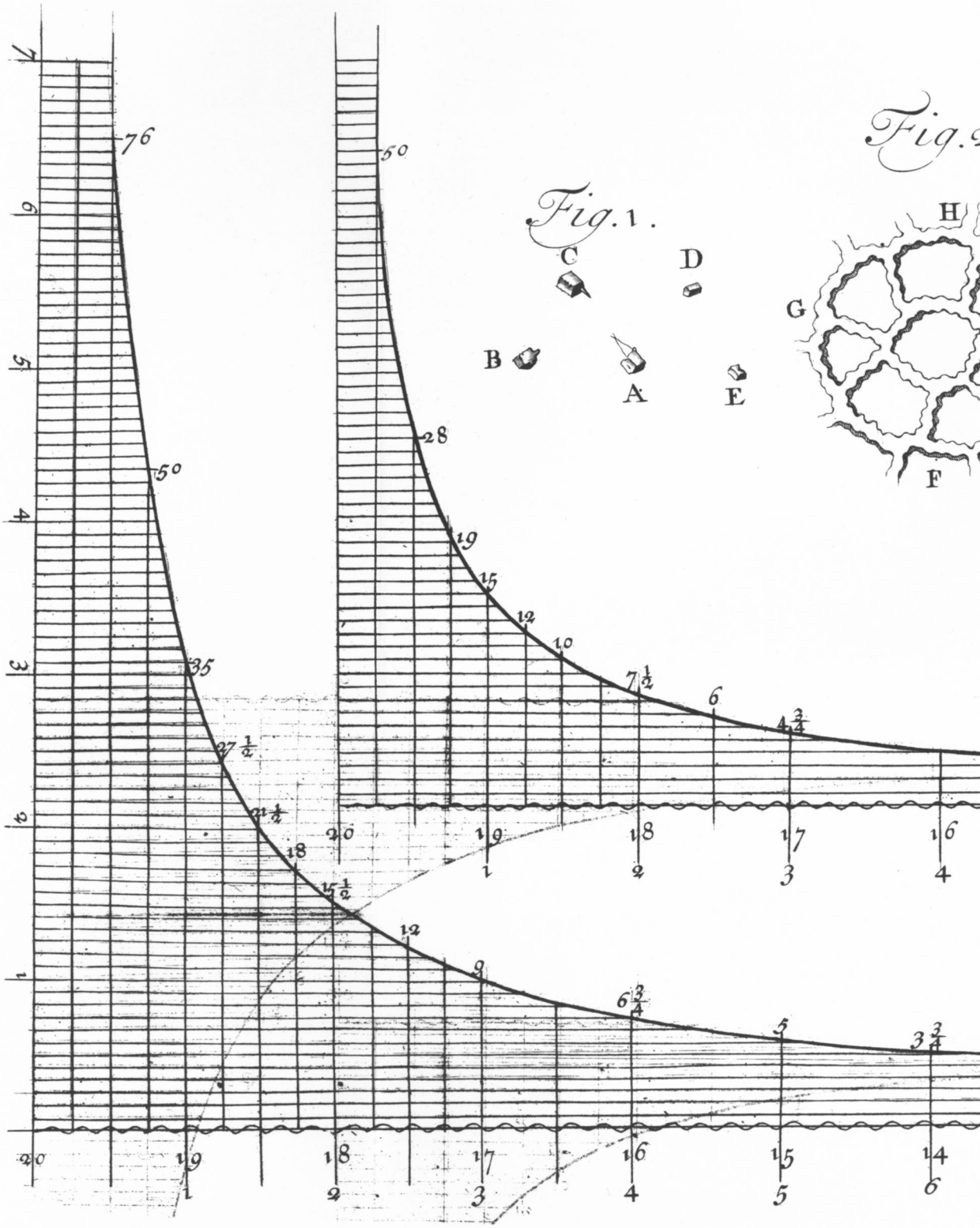
Fig. 1.
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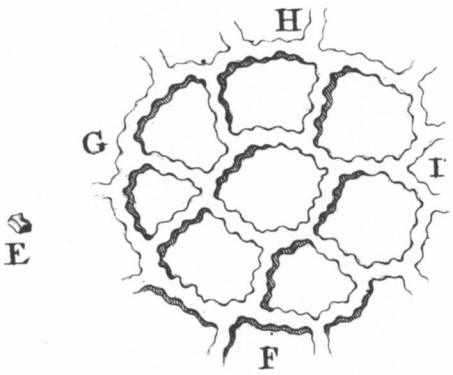
Fig. 2.



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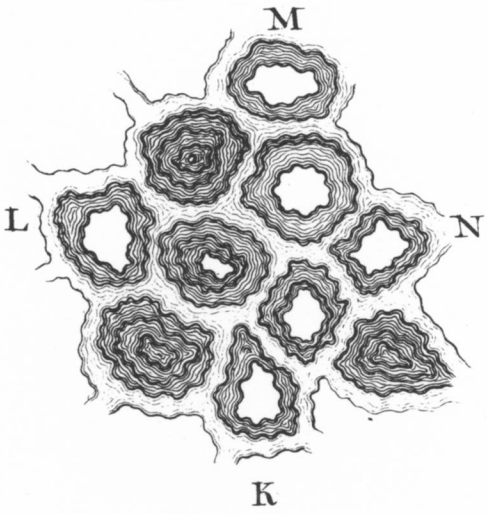

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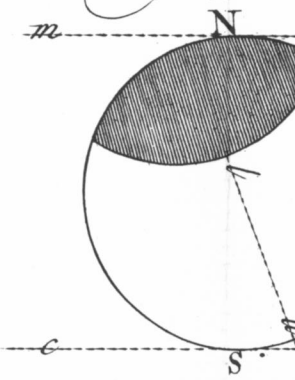

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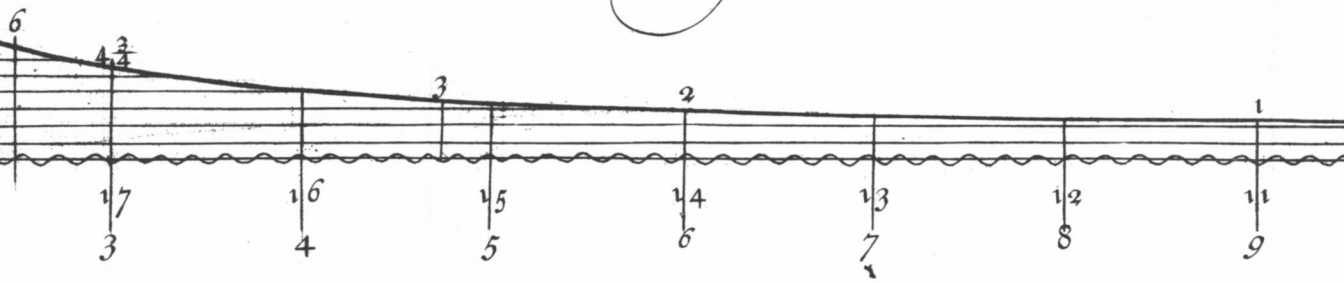

Fig. 7.

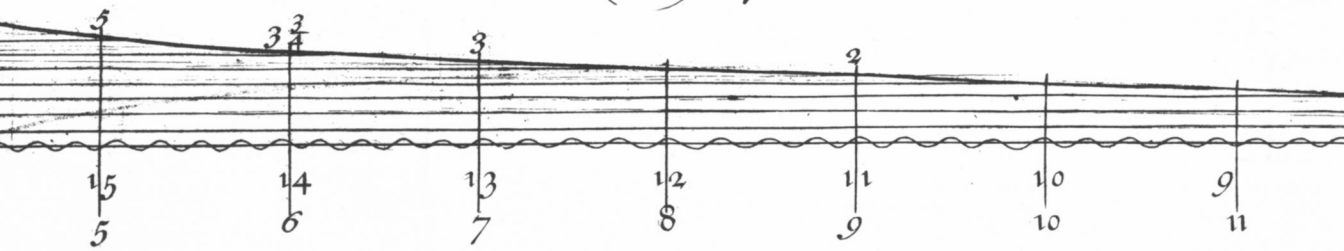

Fig. 4.

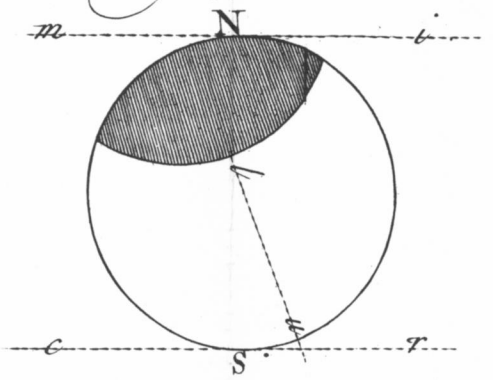
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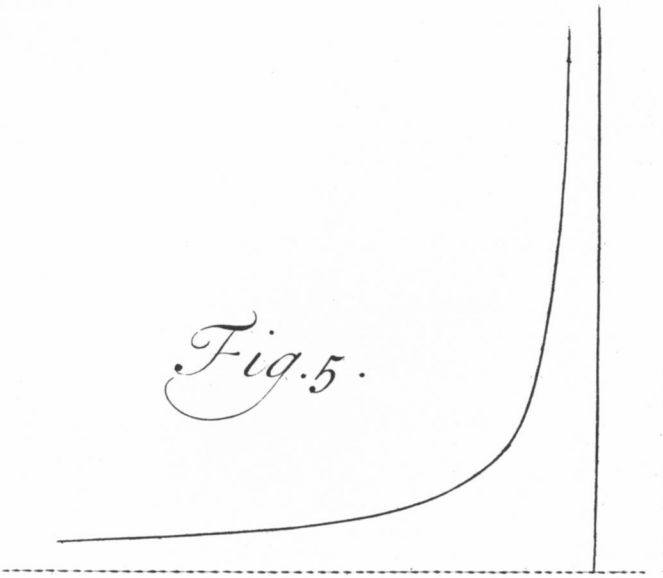
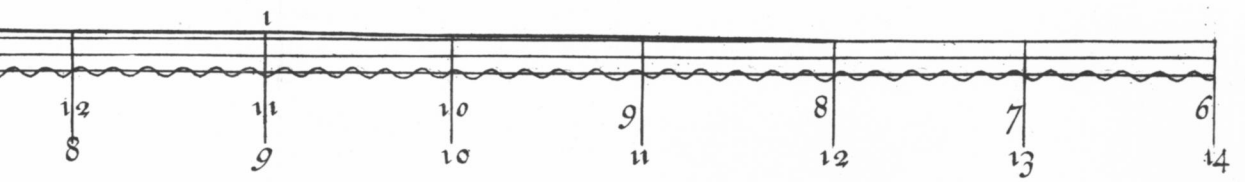
Fig. 5.

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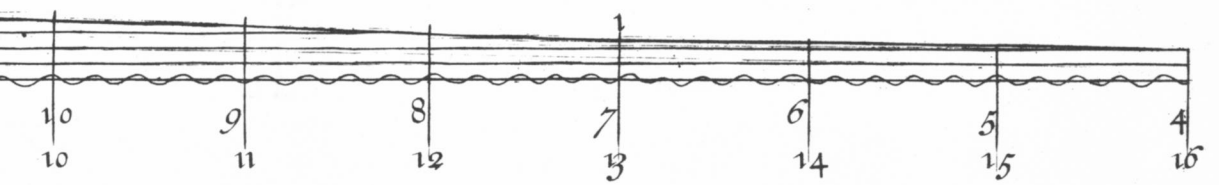
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IX. *Part of a Letter from Mr.* Brook Taylor, *F. R. S. to Dr.* Hans Sloane *R. S. Secr. Concerning the Aſcent of Water between two Glaſs Planes.*

THE following Experiment ſeeming to be of uſe, in diſcovering the Proportions of the Attractions of Fluids, I ſhall not forbear giving an Account of it; tho' I have not here Conveniencies to make it in ſo ſucceſsful a manner, as I could wiſh.

I faſten'd two pieces of Glaſs together, as flat as I could get; ſo that they were inclined in an Angle of about 2 Degrees and a half. Then I ſet them in Water, with the contiguous Edges perpendicular. The upper part of the Water, by riſing between them, made this *Hyperbola*; [See *Fig.* 5.] which is as I copied it from the Glaſs.

I have examined it as well as I can, and it ſeems to approach very near to the common *Hyperbola*. But my *Apparatus* was not nice enough to diſcover this exactly.

The Perpendicular *Aſſymptote* was exactly determined by the Edge of the Glaſs; but the Horizontal one I could not ſo well diſcover. I am,

Sir,

Your moſt humble Servant,

BROOK TAYLOR.

Bifrons near *Canterbury*, June 25. 1712.

X. *An*